

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 3, line 15 as follows:

Said objective was achieved by using fine-precipitated aluminium hydroxide which is subjected to a special mill drying process. The mill drying unit consists of a rotor which is firmly mounted on a solid shaft and which rotates at a high circumferential speed. Said rotational movement in connection with a high air through-put converts the through-flowing hot air into extremely fast air vortices which take up the material to be dried, accelerate same and distribute same so finely that a larger surface is generated. After having been dried completely, the aluminium hydroxide particles transposed into a condition of turbulence leave the mill drying unit and are separated from the hot air and the vapor. The circumferential speed of the rotor ranges between 40 - 140 m/sec. The hot air used for drying purposes has a temperature of 150 - 450°C. The hot air stream may have a throughput of 3000-7000 Bm³/h, and may be whirled such that the Reynold's factor is greater than 3,000. The energy introduced in the hot air stream may be in excess of 5000 Bm³/h, at a temperature greater than 270°C. The circumferential speed of the rotor may be greater than 60 m/sec, or 70 m/sec. After mill drying, the BET surface may be increased by at least 20%. It is possible to use conventional mill drying units; for example see Lueger, Lexikon der Technik, volume 48, p. 394.

Please amend the paragraph beginning on page 6, line 20 as follows:

On the basis of the described aluminium hydroxide, polymer compounds in the form of simple basic polymer mixtures were produced, having technical significance for the application as halogen-free flame retardant cable sheathing or cable insulating material. Apart from the very advantageous mechanical and flame proofing properties, the resulting polymer compounds comprise excellent melt flow properties. As compared with standard products of the group of commercially available ultra-fine crystalline aluminium hydroxides, said high melt flow index and said viscosity respectively are particularly striking. For example the melt flow index of the polymer composition may be increased by at least 20% compound to standard aluminum hydroxides.